Weston Solutions, Inc

1435 Garrison St. Suite 100 Lakewood, CO 80215 Phone: 303-729-6100 Fax: 303-729-6101



1 ax. 000 120	0101												
	B)	AILY PRO	ODUCTION	1 &	QUAL	JTY (CON	TRO	L REPC	RT		271	
Contr	act No./TDD		P	roject	Title / Lo	cation				Day of	Report	Repo	ort No.
EP-	S8-13-01		EPA Re	gion	8 Start	IV Con	tract			30-Ju	ıl-14		3
PROJECT	POINTS OF CO	DNTACT											
P.	osition		Name			E-	Mail Ad	dress			Pho	one No.	
FOSC		Paul Peronard	I		peronar	d.paul@	gepa.c	<u>lov</u>		303	3-886-	1638 (m	obile)
Project Mana	iger	Dave Robinso	n		david.ro	binson	@west	onsolu	tions.com	937	7-572-	3630 (ma	obile)
Project Scie	ntist	Ellie Kastner			ellie.kas	tner@v	veston	solutior	ns.com	302	2-540-(0099 (ma	obile)
Project Scier	ntist	Jamie Miller			imiller@	techlav	vinc.co	m		720	0-302-3	3387 (ma	obile)
WEATHER	CONDITIONS	CONTROL (1997)						ì		7/2			
		Conditions				Tem	p (C)		Wind		Add'l	Reading	s
AM	Clear	PM	Cle			Low	59	MPH	10-May	Precip.	(In/Dy.)		
74.193	Clear	1. 141	Cle	-ai		High	89	Dir	N/NE	Humidi	ty (%)	60	0%
Additional We	ather Comments: N	lone Noted											
PRP CON	TRACTORS/LE	AD PERSON	NEL/START FI	IELD	STAFF								
	Name	Con	npany					Γrade / V	ork Perform	ed			
		Garner	F	Remov	val Lead,	Site Sa	fety						
		CTEH	E	Enviro	nmental /	'IH Sup	port						
ON-SITE E	QUIPMENT		198										
E	uipment	Vender	/ Tag No.			Mork	Perform	ad			On-S	ite Hours	i
	aibinetir	Velidoi	, 149 140.			4401K	GIIOIII			Used	Idle	Repair	Total

Ver. 1.1 11/07 1 of 2

Material	Vendor	Quantity	Purpose	Condtn	Qty	Spec	Tags
			n sa		833		
Conducted water quality test Collected site photographs d	•						
Configured and published So		•	•	te and othe	i oite a	Olivillos	
Attended 08:00 ops meeting		,	•				
- Red River and their insure	r have decided that an insp	ecition of the site for as	estos will be conducte	d by their c	consulta	ant	
- The ND DPH representative	e signed-off as a reviewer	of CTEH's 7/27/14 Oper	ations Plan and 7/25/14	4 Heat Stre	ss Man	agemer	nt Plan
- Garner and CTEH continue	·				uding c	arbon tr	reatment
- Confirmation sample result		on Schlumberger's pro	perty are expected soo	n			
 Attended the 1600 Tactics n CTEH discussed water qua 	•	DO. They centend that	DO's are depressed by	it not appro	ociaby c	lifforont	that other
- Discussion on the need &		•	·		-		
- 4 aerators were installed in	•						
- Laborers working at the nor				e hill and in	to the v	water	
- No fuel was noted leaking	nto the water (sheen or sm	ell)					
At the request of ND DOH (Kris Roberts), START acco	mpanied CTEH during o	ollection of 5 water san	nples for ac	quatic to	oxicity te	esting
Garner indicated that 24 hr c	ps are likely when site entr	ies start - for production	and working when the	weather is	cool.		
Garner salvaged undamaged	I materials out of the south	structure on the site and	staged them for decor	n and stora	ge by F	Red Rive	er
Preparation of the personal a							

- Safety Tailgate Meeting: Cu	rrent and anticipated weather and	impact on heat stress when entries into the h	otzone are c	onducted	1.	
Name	Company	Purpose of Visit	In	Out	Signed HASP	Nam

Ver. 1.1 11/07 2 of 2

Description of Health & Safety Actions Taken Today / Safety Inspections Conducted

Taken



Contract No./TDD			Projec	t Title / Loc	ation				Day of	Report	Repo	ort No.
EP-S8-13-01		EPA	Region	8 Start I	V Con	tract			30-Ju	ıl-14	;	3
ROJECT POINTS OF	CONTACT			30.6	100							
Position		Name			E-	Mail Ad	dress			Pho	ne No.	
osc	Paul Peronai	rd		peronard	d.paul@	gepa.g	ov		303	3-886-1	1638 (ma	bile)
roject Manager	Dave Robins	on		david.rol	binson	@west	onsolu	tions.com	93	7-572-3	3630 (ma	obile)
Project Scientist	Ellie Kastner			ellie.kas	tner@v	veston	solutior	ns.com	302	2-540-0	0099 (ma	obile)
Project Scientist	Jamie Miller			imiller@	techlav	vinc.co	m		720	0-302-3	3387 (ma	obile)
VEATHER CONDITIO	NS							A Set		and the same		
	Conditions				Tem	p (C)		Wind		Add'l	Readings	5
Clear	PM		Clear		Low	59	MPH	10-May	Precip.	(ln/Dy.)	-	
Clear	1. 141		Clear		High	89	Dir	N/NE	Humidi	ty (%)	60	0%
Additional Weather Commen												
PRP CONTRACTORS	LEAD PERSOI	NNEL/STAR	TFIELD	STAFF								
Name	Co	mpany				7	rade / V	ork Perform	ed			
	Garner		Remo	val Lead,	Site Sa	fety						
	CTEH		Enviro	nmental /	IH Sup	port						
						***************************************	***************************************					
N-SITE EQUIPMENT												
Equipment	Vende	r / Tag No.			Mork	Perform	ad			On-Si	ite Hours	
-uuipiiiciii	venuo	it / tay NU.	1		AAOIN	CHOIN	cu		Used	Idle	Repair	Tota

Ver. 1.1 11/07 3 of 2

Material	Vendor	Quantity	Purpose	Condtn	Qty	Spec	Tags
- Conducted water quality te	sting at 20 locations across t	he site in the USACE re	elief channel; collected	positional d	ata in S	Scibe mo	bile
- Collected site photographs	detailing the progress of pre	parations for removal to	begin on the facility s	ite and othe	r site a	ctivities	
- Configured and published	Scribe database with water q	uality monitoring from 2	28-July				
- Attended 08:00 ops meeting	•						
	rer have decided that an insp			•			
•	tive signed-off as a reviewer	•				-	
	ue to evaluate treatment opti				uding	carbon tr	reatment
	ults from the remediated area	on Schlumberger's pr	operty are expected soc	on			
- Attended the 1600 Tactics	meeting: uality results with a focus on	DO. They contend the	t DO's are depressed b	ut not onne	a ia by	different	that athar
	uality results with a locus on the utility of carbon filtering the	-	· ·		-		
- Discussion on the need o				aiscusscu	COHOIG	310113 1116	11 11 13
- 4 aerators were installed	in each section of the relief c		e workshift				
- 4 aerators were installed				ne hill and ir	nto the	water	
- Laborers working at the no	in each section of the relief chani orth section of the relief chani g into the water (sheen or sm	nel accidentally let the		ne hill and ir	nto the	water	
- Laborers working at the no	orth section of the relief chan	nel accidentally let the enell)	compressor roll down th				esting
- Laborers working at the no - No fuel was noted leaking - At the request of ND DOH	orth section of the relief chang g into the water (sheen or sm	nel accidentally let the nell) mpanied CTEH during	compressor roll down th	mples for a	quatic t		esting
- Laborers working at the note No fuel was noted leaking At the request of ND DOH Garner indicated that 24 hr	orth section of the relief chani g into the water (sheen or sm (Kris Roberts), START acco	nel accidentally let the nell) mpanied CTEH during ies start - for production	compressor roll down the collection of 5 water sa n and working when the	mples for a	quatic t	oxicity te	

Safety Tailgate Meeting: Cu	rrent and anticipated weather and im	pact on heat stress when entries into the I	notzone are c	conducte	d.
Name	Company	Purpose of Visit	In	Out	Signed
1101110	- Oniparty	r aipodd o'i eidid			HASP

Ver. 1.1 11/07 4 of 2

Description of Health & Safety Actions Taken Today / Safety Inspections Conducted



D. D. Carlotte and D. C. Carlotte and D. Carlotte and D. C. Carlotte and D. Carlotte and D. C. Carlotte and D. Carlotte and D	AILY P	RC	DUCTIO	N &	QUAL	JTY (CON	TRO	L REPO	RT			
Contract No./TDD				Project	Title / Loc	cation				Day of	Report	Repo	ort No.
EP-S8-13-01			EPA R	egion	8 Start I	V Con	tract			30-Ju	ul-14		3
JECT POINTS OF C	ONTACT				, E		10.20				-10		
Position			Name			E-	Mail Ad	dress			Pho	one No.	
i S	Paul Peror	nard			peronard	d.paul@	gepa.c	<u>10V</u>		30:	3-886-	1638 (m	obile)
ct Manager	Dave Robi	inson	ı		david.rol	binson(@west	onsolu	tions.com	93	7-572-	3630 (ma	obile)
ct Scientist	Ellie Kastn	er			ellie.kas	tner@v	/eston	solutior	ns.com	302	2-540-(0099 (ma	obile)
ct Scientist	Jamie Mille	er			imiller@	techlav	/inc.co	<u>ım</u>		720	0-302-0	3387 (ma	obile)
ATHER CONDITIONS						11.5		·		211			
	Conditio	ns				Tem	p (0)		Wind		Add'l	Reading	S
Clear		> I/I	CI	ear		Low	59	MPH	10-May	Precip.	(In/Dy.)		
Clear	F	161	CI	Саі		High	89	Dir	N/NE	Humidi	ity (%)	60	0%
onal Weather Comments: I													
CONTRACTORS/LE	AD PERS	ONN	IEL/START F	IELD	STAFF			A-177		, etc., 100		986 986 986	
Name		Com	pany				7	Frade / V	ork Perform	ed			
	Garner			Remov	/al Lead,	Site Sat	ety						
	CTEH			Enviro	nmental /	IH Sup	oort						
												.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
SITE EQUIPMENT													
Equipment	Van	dor/	Tag No.			Work	erform	har			On-S	ite Hours	
Ederbucut	0 611	1401 /	149 140.			WOIN	6110111	sw.ce		Used	Idle	Repair	Total

1 51

Conducted water quality testing at 20 locations across the site in the USACE relief channel; collected positional data in Scibe mobile Collected site photographs detailing the progress of preparations for removal to begin on the facility site and other site activities Configured and published Scribe database with water quality monitoring from 28-July Attended 08:00 ops meeting: - Red River and their insurer have decided that an inspecition of the site for asbestos will be conducted by their consultant - The ND DPH representative signed-off as a reviewer of CTEH's 7/27/14 Operations Plan and 7/25/14 Heat Stress Management Plan - Garner and CTEH continue to evaluate treatment options for water in the north section of the relief channel, inlcuding carbon treatment - Confirmation sample results from the remediated area on Schlumberger's property are expected soon Attended the 1600 Tactics meeting: - CTEH discussed water quality results with a focus on DO. They contend that DO's are depressed but not appreciably different that other - Discussion on the need & utility of carbon filtering the water in the N. section of the channel. START discussed conclusions that this is - 4 aerators were installed in each section of the relief channel by the end of the workshift. Laborers working at the north section of the relief channel accidentally let the compressor roll down the hill and into the water - No fuel was noted leaking into the water (sheen or smell) At the request of ND DOH (Kris Roberts), START accompanied CTEH during collection of 5 water samples for aquatic toxicity testing Garner indicated that 24 hr ops are likely when site entries start - for production and working when the weather is cool. Garner salvaged undamaged materials out of the south structure on the site and staged them for decon and storage by Red River Preparation of the personal and equipment decon pads is complete by the end of the workshift.	Material	Vendor	Quantity	Purpose	Condtn	Qty	Spec	Tags
Collected site photographs detailing the progress of preparations for removal to begin on the facility site and other site activities Configured and published Scribe database with water quality monitoring from 28-July Attended 08:00 ops meeting: - Red River and their insurer have decided that an inspecition of the site for asbestos will be conducted by their consultant - The ND DPH representative signed-off as a reviewer of CTEH's 7/27/14 Operations Plan and 7/25/14 Heat Stress Management Plan - Garner and CTEH continue to evaluate treatment options for water in the north section of the relief channel, inlcuding carbon treatment - Confirmation sample results from the remediated area on Schlumberger's property are expected soon Attended the 1600 Tactics meeting: - CTEH discussed water quality results with a focus on DO. They contend that DO's are depressed but not appreciaby different that other - Discussion on the need & utility of carbon filtering the water in the N. section of the channel. START discussed conclusions that this is - 4 aerators were installed in each section of the relief channel by the end of the workshift. Laborers working at the north section of the relief channel accidentally let the compressor roll down the hill and into the water - No fuel was noted leaking into the water (sheen or smell) At the request of ND DOH (Kris Roberts), START accompanied CTEH during collection of 5 water samples for aquatic toxicity testing Garner indicated that 24 hr ops are likely when site entries start - for production and working when the weather is cool. Garner salvaged undamaged materials out of the south structure on the site and staged them for decon and storage by Red River								
Collected site photographs detailing the progress of preparations for removal to begin on the facility site and other site activities Configured and published Scribe database with water quality monitoring from 28-July Attended 08:00 ops meeting: - Red River and their insurer have decided that an inspecition of the site for asbestos will be conducted by their consultant - The ND DPH representative signed-off as a reviewer of CTEH's 7/27/14 Operations Plan and 7/25/14 Heat Stress Management Plan - Garner and CTEH continue to evaluate treatment options for water in the north section of the relief channel, inlcuding carbon treatment - Confirmation sample results from the remediated area on Schlumberger's property are expected soon Attended the 1600 Tactics meeting: - CTEH discussed water quality results with a focus on DO. They contend that DO's are depressed but not appreciaby different that other - Discussion on the need & utility of carbon filtering the water in the N. section of the channel. START discussed conclusions that this is - 4 aerators were installed in each section of the relief channel by the end of the workshift. Laborers working at the north section of the relief channel accidentally let the compressor roll down the hill and into the water - No fuel was noted leaking into the water (sheen or smell) At the request of ND DOH (Kris Roberts), START accompanied CTEH during collection of 5 water samples for aquatic toxicity testing Garner indicated that 24 hr ops are likely when site entries start - for production and working when the weather is cool. Garner salvaged undamaged materials out of the south structure on the site and staged them for decon and storage by Red River		2		700 T				
Configured and published Scribe database with water quality monitoring from 28-July Attended 08:00 ops meeting: - Red River and their insurer have decided that an inspecition of the site for asbestos will be conducted by their consultant - The ND DPH representative signed-off as a reviewer of CTEH's 7/27/14 Operations Plan and 7/25/14 Heat Stress Management Plan - Garner and CTEH continue to evaluate treatment options for water in the north section of the relief channel, inlcuding carbon treatment - Confirmation sample results from the remediated area on Schlumberger's property are expected soon Attended the 1600 Tactics meeting: - CTEH discussed water quality results with a focus on DO. They contend that DO's are depressed but not appreciably different that other - Discussion on the need & utility of carbon filtering the water in the N. section of the channel. START discussed conclusions that this is - 4 aerators were installed in each section of the relief channel by the end of the workshift. Laborers working at the north section of the relief channel accidentally let the compressor roll down the hill and into the water - No fuel was noted leaking into the water (sheen or smell) At the request of ND DOH (Kris Roberts), START accompanied CTEH during collection of 5 water samples for aquatic toxicity testing Garner indicated that 24 hr ops are likely when site entries start - for production and working when the weather is cool. Garner salvaged undamaged materials out of the south structure on the site and staged them for decon and storage by Red River	Conducted water quality testing at	20 locations across t	he site in the USACE r	elief channel; collected p	ositional d	ata in S	cibe mo	bile
Attended 08:00 ops meeting: Red River and their insurer have decided that an inspecition of the site for asbestos will be conducted by their consultant. The ND DPH representative signed-off as a reviewer of CTEH's 7/27/14 Operations Plan and 7/25/14 Heat Stress Management Plan. Garner and CTEH continue to evaluate treatment options for water in the north section of the relief channel, inlcuding carbon treatment. Confirmation sample results from the remediated area on Schlumberger's property are expected soon. Attended the 1600 Tactics meeting: CTEH discussed water quality results with a focus on DO. They contend that DO's are depressed but not appreciably different that other. Discussion on the need & utility of carbon filtering the water in the N. section of the channel. START discussed conclusions that this is. 4 aerators were installed in each section of the relief channel by the end of the workshift. Laborers working at the north section of the relief channel accidentally let the compressor roll down the hill and into the water. No fuel was noted leaking into the water (sheen or smell) At the request of ND DOH (Kris Roberts), START accompanied CTEH during collection of 5 water samples for aquatic toxicity testing. Garner indicated that 24 hr ops are likely when site entries start - for production and working when the weather is cool. Garner salvaged undamaged materials out of the south structure on the site and staged them for decon and storage by Red River.	Collected site photographs detailir	ng the progress of pre	parations for removal to	begin on the facility sit	e and othe	r site a	ctivities	
- Red River and their insurer have decided that an inspecition of the site for asbestos will be conducted by their consultant - The ND DPH representative signed-off as a reviewer of CTEH's 7/27/14 Operations Plan and 7/25/14 Heat Stress Management Plan - Garner and CTEH continue to evaluate treatment options for water in the north section of the relief channel, inlcuding carbon treatment - Confirmation sample results from the remediated area on Schlumberger's property are expected soon Attended the 1600 Tactics meeting: - CTEH discussed water quality results with a focus on DO. They contend that DO's are depressed but not appreciably different that other - Discussion on the need & utility of carbon filtering the water in the N. section of the channel. START discussed conclusions that this is - 4 aerators were installed in each section of the relief channel by the end of the workshift. Laborers working at the north section of the relief channel accidentally let the compressor roll down the hill and into the water - No fuel was noted leaking into the water (sheen or smell) At the request of ND DOH (Kris Roberts), START accompanied CTEH during collection of 5 water samples for aquatic toxicity testing Garner indicated that 24 hr ops are likely when site entries start - for production and working when the weather is cool. Garner salvaged undamaged materials out of the south structure on the site and staged them for decon and storage by Red River	Configured and published Scribe	latabase with water q	uality monitoring from 2	28-July				
- The ND DPH representative signed-off as a reviewer of CTEH's 7/27/14 Operations Plan and 7/25/14 Heat Stress Management Plan - Garner and CTEH continue to evaluate treatment options for water in the north section of the relief channel, inlcuding carbon treatment - Confirmation sample results from the remediated area on Schlumberger's property are expected soon Attended the 1600 Tactics meeting: - CTEH discussed water quality results with a focus on DO. They contend that DO's are depressed but not appreciably different that other - Discussion on the need & utility of carbon filtering the water in the N. section of the channel. START discussed conclusions that this is - 4 aerators were installed in each section of the relief channel by the end of the workshift. Laborers working at the north section of the relief channel accidentally let the compressor roll down the hill and into the water - No fuel was noted leaking into the water (sheen or smell) At the request of ND DOH (Kris Roberts), START accompanied CTEH during collection of 5 water samples for aquatic toxicity testing Garner indicated that 24 hr ops are likely when site entries start - for production and working when the weather is cool. Garner salvaged undamaged materials out of the south structure on the site and staged them for decon and storage by Red River	Attended 08:00 ops meeting:							
- Garner and CTEH continue to evaluate treatment options for water in the north section of the relief channel, inlcuding carbon treatment - Confirmation sample results from the remediated area on Schlumberger's property are expected soon Attended the 1600 Tactics meeting: - CTEH discussed water quality results with a focus on DO. They contend that DO's are depressed but not appreciably different that other - Discussion on the need & utility of carbon filtering the water in the N. section of the channel. START discussed conclusions that this is - 4 aerators were installed in each section of the relief channel by the end of the workshift. Laborers working at the north section of the relief channel accidentally let the compressor roll down the hill and into the water - No fuel was noted leaking into the water (sheen or smell) At the request of ND DOH (Kris Roberts), START accompanied CTEH during collection of 5 water samples for aquatic toxicity testing Garner indicated that 24 hr ops are likely when site entries start - for production and working when the weather is cool. Garner salvaged undamaged materials out of the south structure on the site and staged them for decon and storage by Red River	- Red River and their insurer hav	e decided that an insp	ecition of the site for a	sbestos will be conducte	d by their o	onsult	ant	
- Confirmation sample results from the remediated area on Schlumberger's property are expected soon Attended the 1600 Tactics meeting: - CTEH discussed water quality results with a focus on DO. They contend that DO's are depressed but not appreciably different that other - Discussion on the need & utility of carbon filtering the water in the N. section of the channel. START discussed conclusions that this is - 4 aerators were installed in each section of the relief channel by the end of the workshift. Laborers working at the north section of the relief channel accidentally let the compressor roll down the hill and into the water - No fuel was noted leaking into the water (sheen or smell) At the request of ND DOH (Kris Roberts), START accompanied CTEH during collection of 5 water samples for aquatic toxicity testing Garner indicated that 24 hr ops are likely when site entries start - for production and working when the weather is cool. Garner salvaged undamaged materials out of the south structure on the site and staged them for decon and storage by Red River	- The ND DPH representative sign	ned-off as a reviewer	of CTEH's 7/27/14 Ope	rations Plan and 7/25/14	Heat Stre	ss Mar	nagemer	nt Plan
Attended the 1600 Tactics meeting: - CTEH discussed water quality results with a focus on DO. They contend that DO's are depressed but not appreciably different that other - Discussion on the need & utility of carbon filtering the water in the N. section of the channel. START discussed conclusions that this is - 4 aerators were installed in each section of the relief channel by the end of the workshift. Laborers working at the north section of the relief channel accidentally let the compressor roll down the hill and into the water - No fuel was noted leaking into the water (sheen or smell) At the request of ND DOH (Kris Roberts), START accompanied CTEH during collection of 5 water samples for aquatic toxicity testing Garner indicated that 24 hr ops are likely when site entries start - for production and working when the weather is cool. Garner salvaged undamaged materials out of the south structure on the site and staged them for decon and storage by Red River	- Garner and CTEH continue to e	/aluate treatment opti	ons for water in the no	th section of the relief ch	annel, inlo	uding o	arbon tr	eatment
- CTEH discussed water quality results with a focus on DO. They contend that DO's are depressed but not appreciaby different that other - Discussion on the need & utility of carbon filtering the water in the N. section of the channel. START discussed conclusions that this is - 4 aerators were installed in each section of the relief channel by the end of the workshift. Laborers working at the north section of the relief channel accidentally let the compressor roll down the hill and into the water - No fuel was noted leaking into the water (sheen or smell) At the request of ND DOH (Kris Roberts), START accompanied CTEH during collection of 5 water samples for aquatic toxicity testing Garner indicated that 24 hr ops are likely when site entries start - for production and working when the weather is cool. Garner salvaged undamaged materials out of the south structure on the site and staged them for decon and storage by Red River	 Confirmation sample results fror 	n the remediated area	on Schlumberger's pr	operty are expected soo	า			
- Discussion on the need & utility of carbon filtering the water in the N. section of the channel. START discussed conclusions that this is - 4 aerators were installed in each section of the relief channel by the end of the workshift. Laborers working at the north section of the relief channel accidentally let the compressor roll down the hill and into the water - No fuel was noted leaking into the water (sheen or smell) At the request of ND DOH (Kris Roberts), START accompanied CTEH during collection of 5 water samples for aquatic toxicity testing Garner indicated that 24 hr ops are likely when site entries start - for production and working when the weather is cool. Garner salvaged undamaged materials out of the south structure on the site and staged them for decon and storage by Red River	Attended the 1600 Tactics meeting	g:						
- 4 aerators were installed in each section of the relief channel by the end of the workshift. Laborers working at the north section of the relief channel accidentally let the compressor roll down the hill and into the water - No fuel was noted leaking into the water (sheen or smell) At the request of ND DOH (Kris Roberts), START accompanied CTEH during collection of 5 water samples for aquatic toxicity testing Garner indicated that 24 hr ops are likely when site entries start - for production and working when the weather is cool. Garner salvaged undamaged materials out of the south structure on the site and staged them for decon and storage by Red River			•	•		•		I
Laborers working at the north section of the relief channel accidentally let the compressor roll down the hill and into the water - No fuel was noted leaking into the water (sheen or smell) At the request of ND DOH (Kris Roberts), START accompanied CTEH during collection of 5 water samples for aquatic toxicity testing Garner indicated that 24 hr ops are likely when site entries start - for production and working when the weather is cool. Garner salvaged undamaged materials out of the south structure on the site and staged them for decon and storage by Red River	· ·				discussed (conclus	sions tha	it this is
- No fuel was noted leaking into the water (sheen or smell) At the request of ND DOH (Kris Roberts), START accompanied CTEH during collection of 5 water samples for aquatic toxicity testing Garner indicated that 24 hr ops are likely when site entries start - for production and working when the weather is cool. Garner salvaged undamaged materials out of the south structure on the site and staged them for decon and storage by Red River			•					
At the request of ND DOH (Kris Roberts), START accompanied CTEH during collection of 5 water samples for aquatic toxicity testing Garner indicated that 24 hr ops are likely when site entries start - for production and working when the weather is cool. Garner salvaged undamaged materials out of the south structure on the site and staged them for decon and storage by Red River			•	compressor roll down the	hill and in	to the	water	
Garner indicated that 24 hr ops are likely when site entries start - for production and working when the weather is cool. Garner salvaged undamaged materials out of the south structure on the site and staged them for decon and storage by Red River	•	`	,					
Garner salvaged undamaged materials out of the south structure on the site and staged them for decon and storage by Red River	At the request of ND DOH (Kris R	oberts), START acco	mpanied CTEH during	collection of 5 water san	nples for ac	uatic t	oxicity te	esting
	Garner indicated that 24 hr ops ar	e likely when site entr	ies start - for production	and working when the	weather is	cool.		
Preparation of the personal and equipment decon hads is complete by the end of the workshift	Garner salvaged undamaged mat	erials out of the south	structure on the site ar	nd staged them for decor	n and stora	ge by f	Red Rive	er
Toparation of the personal and equipment decompads is complete by the end of the workshift.			io complete by the and	of the workshift				

,	tions Taken Today / Safety Inspections C				
Safety Tailgate Meeting: Cu		pact on heat stress when entries into the h	5111111/7		d.
				\$ 1000	Signed
Name	Company	Purpose of Visit	In	Out	HASP

Ver. 1.1 11/07 6 of 2



	DAILY P	RO	DUCTIO	N &	QUAL	JTY (CON	TRO	L REPO	RT			
act No./TDD				Project	t Title / Lo	cation				Day of	Report	Repo	ort No.
58-13-01			EPA R	egion	8 Start	IV Con	tract			30-Jı	ul-14		3
POINTS OF C	CONTACT										146		
osition			Name			E-	Mail Ad	dress			Pho	one No.	
	Paul Peror	nard			peronar	d.paul@	Qepa.c	<u>lov</u>		30:	3-886-	1638 (m	obile)
ger	Dave Robi	nson			david.ro	binson(@west	onsolut	ions.com	93	7-572-3	3630 (ma	obile)
tist	Ellie Kastn	er			ellie.kas	tner@v	veston	solutior	ns.com	30:	2-540-0	0099 (ma	obile)
tist	Jamie Mille	er			imiller@	techlav	/inc.co	m		72	0-302-3	3387 (ma	obile)
CONDITIONS	3									5 (A)	10,00		
	Conditio	ns				Tem	p (0)		Wind		Add'l	Reading	S
Clear	8	N/s	CI	ear		Low	59	MPH	10-May	Precip.	(In/Dy.)		
Clear	,	5.8.3		Cai		High	89	Dir	N/NE	Humid	ity (%)	60	0%
ather Comments:			4/100/00		500000 S			XIIIIIIII					
RACTORS/L	EAD PERS	ONN	EL/START F	IELD	STAFF					2025			
Name		Comp	any				1	Frade / W	ork Perform	ed			
	Garner			Remo	val Lead,	Site Sat	ety						
	CTEH			Enviro	nmental /	IH Sup	oort						
QUIPMENT			1000					£				4	, W.
uipment	Ven	dor/	Tag No.			Work	erform	ned			1	ite Hours	
										Used	Idle	Repair	Total
	I			1						1	1	1	1

N 7N

Material	Vendor	Quantity	Purpose	Condtn	Qty	Spec	Tags
			and the second second	100			
Conducted water quality testing	-						
Collected site photographs de			•	and other	site a	ctivities	
Configured and published Scri	be database with water qu	uality monitoring from 28-Ju	у				
Attended 08:00 ops meeting:			20.1				
- Red River and their insurer	•			-			- t Diam
 The ND DPH representative Garner and CTEH continue 	-	•				-	
- Confirmation sample results	·				ung (Jaiboni	eatment
Attended the 1600 Tactics me		on contamberger a propert	are expected soon				
- CTEH discussed water qual	•	DO. They contend that DO	s are depressed but	not appred	ciaby o	different	that other
- Discussion on the need & ut	-	•	•		-		I .
- 4 aerators were installed in	ach section of the relief c	hannel by the end of the wo	rkshift.				
Laborers working at the north	section of the relief chann	nel accidentally let the comp	ressor roll down the	hill and int	o the	water	
- No fuel was noted leaking in	to the water (sheen or sm	ell)					
At the request of ND DOH (Ki	is Roberts), START accor	mpanied CTEH during colle	ction of 5 water sam	ples for aqı	uatic t	oxicity te	esting
Garner indicated that 24 hr op	s are likely when site entri	es start - for production and	working when the v	veather is c	ool.		
	matariala aut of the south	etructure on the site and str	ged them for decon	and storag	o by I	Pad Pive	
Garner salvaged undamaged	materials out of the south	Structure on the Site and Sit	gea alem let accom	and storag	le by i	teu itive	er

afety Tailgate Meeting: Curr		pact on heat stress when entries into the h		onducted	d.
Name	Company	Purpose of Visit	In	Out	Signed HASP

Ver. 1.1 11/07 8 of 2



D	AILY	PRO	DUCTIO	N & QUA	LITY	CON	TRO	L REPC	RT			
				Project Title / L	_ocation				Day of	Report	Repo	ort No.
			EPA R	egion 8 Sta	rt IV Cor	tract			30-Jı	ıl-14		3
SOFC	ONTAC	T	7 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -		811					10.2		
			Name		E	-Mail Ad	dress			Pho	one No.	
	Paul Pe	eronard		peron	ard.paul(@epa.g	OV		30:	3-886-	1638 (m	obile)
	Dave R	obinsor	1	david.	robinson	@west	onsolu	tions.com	93	7-572-3	3630 (ma	obile)
	Ellie Ka	stner		ellie.k	astner@	weston	solutior	ns.com	302	2-540-0	0099 (ma	obile)
	Jamie N	∕liller		imiller	@techlar	winc.co	m		720	0-302-3	3387 (m	obile)
OITIONS					\$110 \$1						40.7	
	Cond	litions			Ten	np (0)		Wind		Add'l	Reading	S
Clear		PM	CI	ear	Low	59	MPH	10-May	Precip.	(ln/Dy.)		
Sibai		1. 141	Ci	cai	High	89	Dir	N/NE	Humidi	ty (%)	60	0%
mments: N												
ORS/LE	AD PE	RSONI	NEL/START F	IELD STAF	F							
		Com	pany			٦	Frade / V	Vork Perform	ed			
	Garner			Removal Lea	d, Site Sa	fety						
	CTEH			Environmenta	al / IH Sup	port						
							,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			***************************************		
TENT												
-	,	Vanda-	Tag No.		10/0-1-	Perform	and			On-S	ite Hours	;
		venuor/	ray No.		VVOIK	renorm	icu		Used	Idle	Repair	Total

_ 9L

Material	Vendor	Quantity	Purpose	Condtn	Qty	Spec	Tags
Conducted water quality testing	g at 20 locations across th	ne site in the USAC	E relief channel; collected p	ositional da	ita in S	cibe mo	bile
Collected site photographs de	tailing the progress of prep	parations for remova	al to begin on the facility sit	e and other	r site a	ctivities	
Configured and published Scr	ibe database with water qu	uality monitoring fro	m 28-July				
Attended 08:00 ops meeting:							
- Red River and their insurer	have decided that an insp	ecition of the site fo	r asbestos will be conducte	d by their c	onsulta	ant	
- The ND DPH representative	signed-off as a reviewer of	of CTEH's 7/27/14 (perations Plan and 7/25/14	Heat Stres	ss Mar	nagemer	nt Plan
- Garner and CTEH continue	to evaluate treatment optic	ons for water in the	north section of the relief ch	annel, inlcu	uding o	carbon tr	reatment
- Confirmation sample results	from the remediated area	on Schlumberger's	property are expected soon	1			
- Attended the 1600 Tactics me	J						
- CTEH discussed water qual	•	•	•		•		
- Discussion on the need & ut				discussed o	onclus	sions tha	it this is
- 4 aerators were installed in		•					
 Laborers working at the north 		-	ne compressor roll down the	hill and in	to the	water	
- No fuel was noted leaking in	•	*					
At the request of ND DOH (K	ris Roberts), START accoi	mpanied CTEH duri	ng collection of 5 water san	ples for aq	uatic t	oxicity te	esting
Garner indicated that 24 hr op	s are likely when site entri	es start - for produc	tion and working when the	weather is	cool.		
Garner salvaged undamaged	materials out of the south	structure on the site	and staged them for decor	n and storaç	ge by f	Red Rive	er
Preparation of the personal ar	nd equipment decon pads	is complete by the e	end of the workshift.				

Description of Health & Safety Ac	ctions Taken Today / Safety Inspec	tions Conducted					
- Safety Tailgate Meeting: Cu	rrent and anticipated weather a	nd impact on heat stress when entries into the hotzone	e are	conducted	d.		
Name	Company	Purpose of Visit	In	Out	Signed HASP		ompan
						İ	
						İ	
						ı	
						ı	
						ı	
						ı	
						ı	
						1	

Ver. 1.1 11/07 10 of 2



7	AILY PRO		N & QUAL	The state of the s	CUN	TRUI	L REPO	RI			
			Project Title / Loc	cation				Day of	Report	Repo	ort No.
		EPA R	egion 8 Start I	IV Con	tract			30-Jı	ıl-14		3
С	NTACT								1		
		Name		E-	Mail Ad	dress			Pho	ne No.	
	Paul Peronard		peronard	d.paul@	gepa.g	<u>0 V</u>		303	3-886-	1638 (m	obile)
	Dave Robinson	ı	david.rol	binson	@west	onsolut	ions.com	937	7-572-3	3630 (ma	obile)
	Ellie Kastner		ellie.kas	tner@v	veston:	solution	is.com	302	2-540-0	0099 (ma	obile)
	Jamie Miller		imiller@	techlav	vinc.co	m		720	0-302-3	3387 (ma	obile)
3							1000	27			
	Conditions			Tem	p (C)		Wind		Add'l	Reading	S
	PM	CI	ear	Low	59	MPH	10-May	Precip.	(ln/Dy.)		
	1 101			High	89	Dir	N/NE	Humidi	ty (%)	6	0%
	one Noted										
	AD PERSONN	IEL/START F	IELD STAFF			ngers and					
	Com	oany			7	rade / W	ork Perform	ed			
	Garner		Removal Lead,	Site Sa	fety						
	CTEH		Environmental /	IH Sup	port						
						***************************************	***************************************	***************************************		***************************************	
					-			-			
				6.27	Spare 1			, i			
	Vendor /	Tag No.		Work	Perform	ed			On-S	ite Hours	1
								Used	Idle	Repair	Total

Ver. 1.1 11/07 11 of 2

Material	Vendor	Qt	ıantity	Purpose	Condtn	Qty	Spec	Tags	
									7
- Conducted water quality testin	g at 20 locations across the s	ite in the U	SACE relief cha	annel; collected po	sitional da	ata in S	cibe mo	bile	
- Collected site photographs det	ailing the progress of prepara	ations for re	moval to begin	on the facility site	and othe	r site a	ctivities		
- Configured and published Scri	be database with water quali	ty monitorin	g from 28-July						
Attended 08:00 ops meeting:									
- Red River and their insurer	have decided that an inspecit	ion of the s	te for asbestos	will be conducted	by their c	onsulta	ant		
- The ND DPH representative	signed-off as a reviewer of C	TEH's 7/27	14 Operations	Plan and 7/25/14	Heat Stre	ss Mar	nagemer	nt Plan	
- Garner and CTEH continue t	o evaluate treatment options	for water in	the north secti	on of the relief cha	ınnel, inlc	uding o	arbon tr	reatment	
- Confirmation sample results	from the remediated area on	Schlumber	ger's property a	re expected soon					
- Attended the 1600 Tactics me	eting:								
- CTEH discussed water quali	ty results with a focus on DO	. They con	end that DO's	are depressed but	not appre	ciaby o	different	that other	
- Discussion on the need & ut					scussed o	conclus	sions tha	at this is	
- 4 aerators were installed in e	each section of the relief char	nel by the e	end of the work	shift.					
- Laborers working at the north		-	let the compre	ssor roll down the	hill and in	to the	water		
- No fuel was noted leaking in	,								
- At the request of ND DOH (Kr	is Roberts), START accompa	anied CTEH	during collection	on of 5 water samp	oles for ac	uatic t	oxicity te	esting	
- Garner indicated that 24 hr op	s are likely when site entries :	start - for pr	oduction and w	orking when the w	eather is	cool.			
- Garner salvaged undamaged ı	materials out of the south stru	icture on th	e site and stage	ed them for decon	and stora	ge by F	Red Rive	er	
- Preparation of the personal an	d equipment decon pads is c	omplete by	the end of the	workshift.					
1									

Description of Health & Safety A	ctions Taken Today / Safety Inspection	Conducted					
- Safety Tailgate Meeting: Cu	irrent and anticipated weather and	mpact on heat stress	when entries into the hot	zone are co	onducted	d.	٦
Name	Company		Purpose of Visit	In	Out	Signed HASP	

Ver. 1.1 11/07 12 of 2



TPRU	יטוז טטעי	N & QUAL	HI Y	UUN	IRU	LREPU	RI			
		Project Title / Lo	cation				Day of	Report	Repo	ort No.
	EPA R	egion 8 Start	IV Con	tract			30-Jı	ıl-14		3
(CT										
	Name		E-	Mail Ad	dress			Pho	one No.	
Peronard		peronar	d.paul@	Depa.g	OV		303	3-886-	1638 (m	obile)
Robinsor	1	david.ro	binson	@west	onsolut	tions.com	93	7-572-3	3630 (ma	obile)
Kastner		ellie.kas	tner@v	veston	solutior	ns.com	302	2-540-(0099 (ma	obile)
e Miller		jmiller@	techlav	vinc.co	m		720	0-302-3	3387 (ma	obile)
70.000						12				
nditions			Tem	p (0)		Wind		Add'l	Reading	S
	CI	ear	Low	59	MPH	10-May	Precip.	(ln/Dy.)		
	Ci	Cai	High	89	Dir	N/NE	Humidi	ty (%)	6	0%
oted										
ERSONN	IEL/START F	IELD STAFF								
Com	pany			7	rade / W	ork Perform	ed			
er		Removal Lead,	Site Sa	fety						
H		Environmental /	/ IH Sup	port						
	310.00		1,000				1			100 E
Vendor/	Tag No		Mork	Perform	ad			On-S	ite Hours	
venuot/	rag No.		WOUN	i enoill	ieu!		Used	Idle	Repair	Total

Material	Vendor		Quantity	Purpose	Condtn	Qty	Spec	Tags
Conducted water quality testing	at 20 locations across the	site in t	ne USACE relief ch	annel; collected po	sitional da	ita in S	cibe mo	bile
Collected site photographs deta	ailing the progress of prepa	rations t	or removal to begi	n on the facility site	and other	r site a	ctivities	
Configured and published Scrib	e database with water qua	lity mon	itoring from 28-July					
Attended 08:00 ops meeting:								
- Red River and their insurer h	•				•			
- The ND DPH representative								
- Garner and CTEH continue to	•				nnel, inlc	uding o	arbon tr	reatment
- Confirmation sample results		n Schlur	mberger's property	are expected soon				
- Attended the 1600 Tactics me	•							
- CTEH discussed water qualit	•	•		•		•		
- Discussion on the need & util					scussed o	onclus	sions tha	it this is
- 4 aerators were installed in e		•			. 90 1 1			
- Laborers working at the north			ntally let the compre	ssor roll down the	niii and in	to the	water	
- No fuel was noted leaking int	•	•	TEU during collect	on of Ewator came	loo for on	uatia t	aviaitu ta	oting
At the request of ND DOH (Kri	,,		-	•			DXICILY LE	sung
Garner indicated that 24 hr ops	•		•	-				
Garner salvaged undamaged n			-		and stora	ge by F	Red Rive	er
	d equipment decon pads is		- 1 11 1 - 6 11					

	tions Taken Today / Safety Inspections Conc rent and anticipated weather and impac	ducted of on heat stress when entries into the hotzo	ne are c	onducte	d.
Name	Company	Purpose of Visit	ln	Out	Signed HASP

Ver. 1.1 11/07 14 of 2



KODI		N & QUAL	JIY U	JUN	IRU	L KEPO	ЖI			
		Project Title / Loc	cation				Day of I	Report	Repo	ort No.
	EPA R	egion 8 Start I	IV Con	tract			30-Ju	ıl-14		3
		i i						100		
Nan	ne		E-	Mail Ad	dress			Pho	one No.	
rd		peronard	d.paul@	gepa.g	ov		303	3-886-	1638 (m	obile)
son		david.ro	binson(@west	onsolut	tions.com	937	7-572-3	3630 (ma	obile)
•		ellie.kas	tner@v	veston:	solutior	ns.com	302	2-540-(0099 (ma	obile)
		jmiller@	techlav	vinc.co	m		720	0-302-3	3387 (ma	obile)
j.				100	E)	,	· · · · · · · · · · · · · · · · · · ·	100		
5			Tem	p (0)		Wind		Add'l	Reading	S
	CI	ear	Low	59	MPH	10-May	Precip.	(ln/Dy.)		
	Cli	eai	High	89	Dir	N/NE	Humidi	ty (%)	60	0%
						,10 ⁵⁵				
NNEL	/START F	IELD STAFF				905				
mpany	1			7	rade / V	ork Perform	ed			
		Removal Lead,	Site Sat	fety						
		Environmental /	IH Sup	port						
			= 1							
			100	F			1.5		. 25	
or / Tag	No.		Work	Perform	ed			On-S	ite Hours	
							Used	Idle	Repair	Total
l										

E 15E

Material	Vendor		Qua	ntity		Purpose	Condtn	Qty	Spec	Tags
Conducted water quality testing	at 20 locations across the	site i	in the US	ACE relie	channel; co	llected pos	itional da	ata in	Scibe mo	bile
Collected site photographs deta	ailing the progress of prepa	ratior	ns for rer	noval to b	egin on the f	acility site	and othe	r site	activities	
Configured and published Scrib	e database with water qua	ility m	nonitoring	from 28-J	uly					
Attended 08:00 ops meeting:										
- Red River and their insurer h	ave decided that an inspec	cition	of the sit	e for asbe	stos will be o	onducted b	y their c	onsul	tant	
- The ND DPH representative :	signed-off as a reviewer of	CTE	H's 7/27/	14 Operati	ons Plan and	d 7/25/14 H	leat Stre	ss Ma	nageme	nt Plan
- Garner and CTEH continue to	o evaluate treatment option	s for	water in	the north s	ection of the	relief char	nnel, inlo	uding	carbon t	reatment
- Confirmation sample results	rom the remediated area o	n Sch	hlumberg	er's prope	rty are expe	cted soon				
Attended the 1600 Tactics me	eting:									
- CTEH discussed water qualit	y results with a focus on D0	O. Tł	hey conte	end that Do	D's are depre	essed but r	ot appre	ciaby	different	that other
- Discussion on the need & util	ity of carbon filtering the wa	ater ir	n the N. s	section of t	he channel.	START dis	cussed o	conclu	sions tha	at this is
- 4 aerators were installed in e	ach section of the relief cha	annel	by the e	nd of the v	orkshift.					
Laborers working at the north	section of the relief channel	l acci	dentally	et the con	pressor roll	down the h	ill and in	to the	water	
- No fuel was noted leaking int	o the water (sheen or smell	l)								
At the request of ND DOH (Kri	s Roberts), START accomp	panie	d CTEH	during coll	ection of 5 w	/ater sampl	es for ac	uatic	toxicity to	esting
Garner indicated that 24 hr ops	are likely when site entries	s star	t - for pro	duction ar	id working w	hen the we	ather is	cool.		
Garner salvaged undamaged n	naterials out of the south st	ructu	re on the	site and s	taged them	for decon a	nd stora	ge by	Red Rive	er
Preparation of the personal and	d equipment decon pads is	com	olete by t	he end of	he workshiff	+				
					TIC WOLKSHIR					

fety Tailgate Meeting: Cu	rrent and anticipated weather and impa	ct on heat stress when entries into the hot	zone are co	nducted	1
iety rangate meeting. ee	ment and anticipated weather and impa	st off fleat chiese which of the fire fleat	Lone are ec	riduoto	
Name	Company	Purpose of Visit	In	Out	Signed HASP
* * ***			***		naor
			1		1

Ver. 1.1 11/07 16 of 2



ICTION &	QUAL	ITY (CON.	TRO	LREPO	RT						
Projec	ct Title / Loc	ation				Day of	Report	Repo	rt No.			
EPA Region	n 8 Start I	V Con	tract			30-Ju	ıl-14	3				
₽		E-	Mail Ad	dress			Pho	ne No.				
	peronard	d.paul@	gepa.g	<u>0V</u>		303-886-1638 (mobile)						
	david.rol	oinson(@west	onsolut	ions.com	937	7-572-3	3630 (mc	bile)			
	ellie.kas	tner@v	vestons	solutior	ns.com	302	2-540-0	0099 (mc	bile)			
	imiller@	techlav	vinc.co	m		720	0-302-3	3387 (mc	bile)			
					AND THE RESERVE OF THE PERSON	76. 30.						
Temp (c) Wind					Add'l	Readings	S					
Clear		Low	59	MPH	10-May	Precip.	(In/Dy.)					
Olcai		High	89	Dir	N/NE	Humidi	ty (%)	60)%			
START FIELD	STAFF			erija sud S	- 100							
			Т	rade / W	ork Perform	ed						
Remo	oval Lead,	Site Sat	fety									
Envir	onmental /	IH Supp	port									
							nos established	2				
			116			T		2.1				
		Work I	Perform	ed				ite Hours				
						Used	Idle	Repair	Total			

E 17E

	Material		Vendor	Quantity	Condtn	Qty Spec	Tags
- Cond	ucted water qu	ality testing at	20 locations across the s	site in the USACE relief channel;	collected positional data	a in Scibe mo	bile
- Collec	ted site photog	ıraphs detailir	g the progress of prepara	ations for removal to begin on the	e facility site and other	site activities	
- Confi	gured and publ	shed Scribe o	latabase with water qualit	ty monitoring from 28-July			
- Atten	ded 08:00 ops	meeting:					
- Re	d River and the	ir insurer have	e decided that an inspecit	tion of the site for asbestos will be	e conducted by their co	nsultant	
- The	ND DPH repre	sentative sigr	ned-off as a reviewer of C	TEH's 7/27/14 Operations Plan a	and 7/25/14 Heat Stress	s Managemer	nt Plan
- Gar	ner and CTEH	continue to ev	aluate treatment options	for water in the north section of t	he relief channel, inloud	ding carbon tr	eatment
- Cor	ifirmation samp	le results fron	n the remediated area on	Schlumberger's property are exp	ected soon		
- Atten	ded the 1600 T	actics meetin	g:				
- CTE	EH discussed w	rater quality re	sults with a focus on DO	. They contend that DO's are de	pressed but not apprec	iaby different	that other
- Disc	cussion on the	need & utility	of carbon filtering the wat	er in the N. section of the channe	el. START discussed co	nclusions tha	it this is
- 4 ae	erators were ins	stalled in each	section of the relief chan	nnel by the end of the workshift.			
- Labo	rers working at	the north sec	tion of the relief channel a	accidentally let the compressor ro	oll down the hill and into	the water	
- No	fuel was noted	leaking into th	e water (sheen or smell)				
- At the	request of NE	DOH (Kris R	oberts), START accompa	anied CTEH during collection of 5	water samples for aqu	atic toxicity te	esting
- Garne	er indicated tha	t 24 hr ops an	e likely when site entries	start - for production and working	when the weather is co	ool.	
- Garne	er salvaged und	lamaged mate	erials out of the south stru	icture on the site and staged ther	m for decon and storage	e by Red Rive	er
1					:a		
- Prepa	iration of the be	ersonal and ed	luipment decon pads is c	omplete by the end of the worksh	Nπ.		

Description of Health & Safety Acti	ions Taken Today / Safety Inspections Conc	lucted			-		
,	rent and anticipated weather and impac	et on heat stress when entries into the hotzone	are co	nducte	d.		
Name	Company	Purpose of Visit	In	Φut	Signed HASP		ose
						-	
						-	

Ver. 1.1 11/07 18 of 2



ON & QUALITY CONTROL REPORT									
Project Ti	tle / Loc	ation		Day of Report	Report No.				
Region 8 Start IV Contract					30-Jul-14	3			
	E-Mail Address					Phone No.			
ре	peronard.paul@epa.gov						638 (mobile)		
da	avid.rol	oinson(@west	onsolut	ions.com	937-572-3	630 (mobile)		
ell	lie.kast	tner@v	vestons	solutior	is.com	302-540-0099 (mobile)			
im	iller@1	techlav	/inc.co	m		720-302-3387 (mobile)			
		1				W			
		Tem	p (C)		Wind	Add'l l	Readings		
Clear		Low	59	MPH	10-May	Precip. (In/Dy.)			
Clear		High	89	Dir	N/NE	Humidity (%)	60%		
T FIELD S	TAFF								

IELD STAFF
Trade / Work Performed
Removal Lead, Site Safety
Environmental / IH Support

Work Performed		On-Si	ite Hours	
work renormed	Used	ldle	Repair	Total

Ver. 1.1 11/07 19 of 2

Material	Vendor	Quantity	Condtn Qty	Spec	Tags
- Collected site photograp - Configured and publishe - Attended 08:00 ops mee - Red River and their ir - The ND DPH represer - Garner and CTEH cor - Confirmation sample r - Attended the 1600 Tact - CTEH discussed wate - Discussion on the nee - 4 aerators were install - Laborers working at the - No fuel was noted leal - At the request of ND D0 - Garner indicated that 24	insurer have decided that an inspecition of sentative signed-off as a reviewer of CTEH ontinue to evaluate treatment options for we results from the remediated area on Schl	s for removal to begin on the phitoring from 28-July of the site for asbestos will be a 7/27/14 Operations Plan a vater in the north section of fumberger's property are expected by the N. section of the channel by the end of the workshift. The entails let the compressor of the compressor of the production and working the on the site and staged the	ne facility site and other site of the conducted by their consumers and 7/25/14 Heat Stress Method the relief channel, inlouding pected soon repressed but not appreciable. START discussed concurs oll down the hill and into the swater samples for aquating when the weather is cooled for decon and storage between the strength of the samples for aquating when the weather is cooled for decon and storage between the strength of the samples for aquating when the weather is cooled for decon and storage between the samples for aquating the samples for aquating the samples for aquating the samples for aquating the samples for aquating the samples for aquating the samples for aquating the samples for aquating the samples for aquating the samples for aquating the samples for aquating the samples for aquating the samples for a quanting the samples for a quant	e activities ultant lanageme g carbon y differer lusions the e water c toxicity	ent Plantreatment It that other lat this is

, ,	Taken Today / Safety Inspections Condu and anticipated weather and impact	cted on heat stress when entries into the hotz	one are	conduc	ted.	
Name		New York Control of the Control of t			Signed	
racting	vompany	, arpose or visit		Jul	HASP	

Ver. 1.1 11/07 20 of 2



On-Site Hours

Idle Repair

Used

Title / Loc					Day of Report	Report No.			
8 Start I	V Con	tract			30-Jul-14	3			
					13.702				
	E-	Mail Ad	dress		Phone No.				
peronard	d.paul@	gepa.g	303-886-1638 (mobile)						
david.rol	oinson(@west	937-572-3630 (mobile)						
ellie.kasi	tner@v	veston	302-540-0099 (mobile)						
imiller@	techlav	/inc.co	m	720-302-3	387 (mobile)				
	Ť					er er er er er er er er er er er er er e			
	Tem	p (0)		Wind	Add'l Readings				
	Low	59	MPH	10-May	Precip. (In/Dy.)				
	High	89	Dir	N/NE	Humidity (%)	60%			
STAFF									
Trade / Work Performed									
val Lead,	Site Sat	ety							
nmental /	IH Sup	oort							

QUALITY CONTROL REPORT

Work Performed

Material	Vend	or	Quantity	Condtn	Qty	Spec	Tags
		2.52					
Conducted water quality testi	•						bile
Collected site photographs de			-	n the facility site and othe	r site a	ctivities	
Configured and published So Attended 08:00 ops meeting:		ater quanty mic	initoring from 26-July				
- Red River and their insure		n inspecition o	f the site for asbestos w	rill be conducted by their o	onsulta	ınt	
- The ND DPH representativ		•		•			nt Plan
- Garner and CTEH continue	to evaluate treatmer	it options for w	rater in the north section	of the relief channel, inlo	uding c	arbon tr	eatment
- Confirmation sample result	s from the remediated	l area on Schl	umberger's property are	expected soon			
Attended the 1600 Tactics m	•						
- CTEH discussed water qua	•		•		•		
Discussion on the need & u4 aerators were installed in	•	_			conclus	ions tha	It this is
- Laborers working at the nort			•		to the v	water	
- No fuel was noted leaking i			omany for the compress			· • • • • • • • • • • • • • • • • • • •	
At the request of ND DOH (F	(ris Roberts), START	accompanied	CTEH during collection	of 5 water samples for ac	quatic to	oxicity te	esting
Garner indicated that 24 hr o	ps are likely when site	e entries start	for production and wor	king when the weather is	cool.		
Garner salvaged undamaged	materials out of the	south structure	on the site and staged	them for decon and stora	ge by F	Red Rive	er
	nd equipment decon						

Description of Health & Safety Actions Taken Today / Safety Inspections Conducted									
Name Company Purpose of Visit In Out Signed HASP									
Name	Company	Purnose of Visit	In	Out					
IVAIIIG	Joniparty	, aipoot or viole	***	041	HASP				

Ver. 1.1 11/07 22 of 2



On-Site Hours

Idle Repair

Total

Used

Ш	Пү (JON	TROL	_REPO	RI	220			
oc	ation				Day of Report	Report No.			
t ľ	V Con	tract			30-Jul-14	3			
	E-	Mail Ad	dress		Pho	ne No.			
ard.paul@epa.gov					303-886-1	638 (mobile)			
robinson@westonsolutions.com					937-572-3	630 (mobile)			
astner@westonsolutions.com					302-540-0099 (mobile)				
@t	echlav	/inc.co	m		720-302-3	3387 (mobile)			
				Jr.					
	Tem	p (C)	1	Wind	Add'l	Readings			
		59	MPH	10-May	Precip. (ln/Dy.)				
		89	Dir	N/NE	Humidity (%)	60%			
7									
Trade / Work Performed									
d, 8	Site Saf	ety							
1/	IH Supp	oort							

Work Performed

Ver. 1.1 11/07 23 of 2

	MOVAL)	8985 <u></u>	
Material	Vendor	Quantity	Condtn Qty Spec Tags
- Conducted water quality testing	at 20 locations across the site	e in the USACE relief channel;	collected positional data in Scibe mobile
- Collected site photographs deta	ailing the progress of preparation	ons for removal to begin on th	ne facility site and other site activities
- Configured and published Scrib	e database with water quality	monitoring from 28-July	
- Attended 08:00 ops meeting:			
	•		e conducted by their consultant
· ·	-	·	and 7/25/14 Heat Stress Management Plan
	·		the relief channel, inlouding carbon treatment
- Confirmation sample results f		chlumberger's property are exp	pected soon
- Attended the 1600 Tactics mee	•	The same section of the st D Ote 1 and 1	
ļ	•	•	epressed but not appreciaby different that other
- 4 aerators were installed in ea	•		el. START discussed conclusions that this is
		•	roll down the hill and into the water
- No fuel was noted leaking into		cidentally let the compressor it	on down the fill and into the water
<u>-</u>	· · · · · · · · · · · · · · · · · · ·	ied CTEH during collection of f	5 water samples for aquatic toxicity testing
- Garner indicated that 24 hr ops	•	=	
· ·	· ·		
		-	m for decon and storage by Red River
- Preparation of the personal and	l equipment decon pads is con	nniata by the and of the workel	

Name Company Purpose of N	Visit In	Out	Signed HASP

Ver. 1.1 11/07 24 of 2



CON.	TRO	L REPO	RT	
			Day of Report	Report No.
ontract			30-Jul-14	3
	5-7-2		2	
E-Mail Add	dress		Pho	ne No.
ıl@epa.g	<u>ov</u>		303-886-1	638 (mobile)
n@west	onsolut	tions.com	937-572-3	630 (mobile)
@westons	solution	ns.com	302-540-0	099 (mobile)
awinc.co	m		720-302-3	387 (mobile)
		Wind	Add'l F	Readings
	MPH	10-May	Precip. (In/Dy.)	
	Dir	N/NE	Humidity (%)	60%

Safety				
upport				
rk Performed		On-S	ite Hours	
rk Fellotnied	Used	Idle	Repair	Total

Trade / Work Performed

Ver. 1.1 11/07 25 of 2

	RY / REMOVAL)	The second secon	
Material	Vendor	Quantity	Condtn Qty Spec Tags
- Conducted water quality testing	at 20 locations across the sit	e in the USACE relief channel; c	collected positional data in Scibe mobile
- Collected site photographs detail	ing the progress of preparati	ons for removal to begin on the	facility site and other site activities
- Configured and published Scribe	database with water quality	monitoring from 28-July	
- Attended 08:00 ops meeting:			
- Red River and their insurer ha	•		•
·		•	nd 7/25/14 Heat Stress Management Plan
			ne relief channel, inlcuding carbon treatmer
- Confirmation sample results fro		chlumberger's property are expe	ected soon
- Attended the 1600 Tactics meet	•	They contoud that DOIs are don	
		•	pressed but not appreciaby different that other
- 4 aerators were installed in each			I. START discussed conclusions that this is
			Il down the hill and into the water
- No fuel was noted leaking into		compressor for	a down the fill and into the water
_	,	ied CTFH during collection of 5	water samples for aquatic toxicity testing
- Garner indicated that 24 hr ops a	•	₹	• • • •
·	•	•	
			n for decon and storage by Red River
- Preparation of the personal and	equipment decon pads is coi	mpiete by the end of the workshi	IΠ.

· · · · · · · · · · · · · · · · · · ·	ns Taken Today / Safety Inspections Conduction and anticipated weather and impact o		one are co	onducte	d.
Name	Company	Purpose of Visit	In	Out	Signed HASP
					-

Ver. 1.1 11/07 26 of 2



VTRO	_ REPO	RT			
		Day of I	Report	Repo	rt No.
		30-Ju	ıl-14	;	3
ddress			Pho	ne No.	
.gov		303	3-886-1	1638 (mo	bile)
stonsolut	ions.com	937	7-572-3	3630 (ma	bile)
nsolution	is.com	302	2-540-0	0099 (ma	bile)
om		720)-302-3	3387 (mc	bile)
1	Vind		Add'l	Readings	}
	10-May	Precip.	(In/Dy.)		-
	N/NE	Humidi	ty (%)	60)%
		200			
Trade / W	ork Performe	ed			
					, inc.
			On-S	ite Hours	
med		Used	Idle	Repair	Total

Ver. 1.1 11/07 27 of 2

48 at 2011 1 2 at 2	William St.	SITE DELIVERY / REMOVAL)	96 g	4.	44.2		
Quantity Purpose	Material	Vendor	Condtn	Qty	Spec	Tags	
-	- Conducted water quality testi	ng at 20 locations across the site in the USACE	relief channel; collected positio	nal data	in Scibe	e mobile	
	- Collected site photographs d	etailing the progress of preparations for removal	to begin on the facility site and	other sit	te activi	ties	
	 Configured and published So 	ribe database with water quality monitoring from	28-July				
	- Attended 08:00 ops meeting:						
	- Red River and their insure	r have decided that an inspecition of the site for a	asbestos will be conducted by t	heir cons	sultant		
	- The ND DPH representativ	e signed-off as a reviewer of CTEH's 7/27/14 Op	perations Plan and 7/25/14 Heat	Stress I	Manage	ment Plan	
	- Garner and CTEH continue	to evaluate treatment options for water in the no	orth section of the relief channe	l, inlcudir	ng carbo	on treatmei	nt
	•	s from the remediated area on Schlumberger's p	roperty are expected soon				
	- Attended the 1600 Tactics m	eeting:					
		lity results with a focus on DO. They contend th	•		•		
		itility of carbon filtering the water in the N. section		sed con	clusions	s that this is	3
		each section of the relief channel by the end of					
	_	h section of the relief channel accidentally let the	e compressor roll down the hill a	ind into t	he wate	er	
1	 No fuel was noted leaking i 						
	44 11 4 CAID DOLL (I	,				.,	- 11
	,	ris Roberts), START accompanied CTEH during	•	•		ity testing	
	,	,	•	•		ity testing	
	- Garner indicated that 24 hr o	ris Roberts), START accompanied CTEH during	on and working when the weath	er is coo	ıl.		

			The state of the s				
Description of Health & Safety , - Safety Tailgate Meeting: C		ions Conducted nd impact on heat stress who	en entries into the ho	tzone a	are cond	ucted.	
Purpose of VisName	Company			In	Out	Signed HASP	
		_					

Ver. 1.1 11/07 28 of 2



REPO	RT			
	Day of I	₹eport	Repo	rt No.
	30-Ju	ıl-14	;	3
		2		
			ne No.	
	303	3-886-1	638 (mc	bile)
	937	7-572-3	8630 (mc	bile)
			0099 (mc	
	720)-302-3	3387 (mc	bile)
		Add'l	Readings	3
	Precip.	(In/Dy.)	-	
	Humidi	ty (%)	60	0%
=				
			100	
Performe	ed			
			40	197
		On-Si	te Hours	
	Used	Idle	Repair	Total

Ver. 1.1 11/07 29 of 2

antity Purpose	Material		Vendor				Condtn	Qty	Spec	Tags	Condtr
- Condu	icted water quality testir	ng at 20 location	s across the site	in the USACE	relief channel;	collected pos	itional da	ata in S	cibe mo	bile	
- Collec	ted site photographs de	tailing the progr	ess of preparation	ns for removal	to begin on the	e facility site	and othe	r site a	ctivities		
- Config	jured and published Scr	ribe database wi	th water quality r	nonitoring from	28-July						
- Attend	led 08:00 ops meeting:										
	d River and their insurer		•				•				
	ND DPH representative	-							-	<u> </u>	
	ner and CTEH continue		•				nnel, inlc	uding o	carbon tr	eatment	
	firmation sample results		liated area on Sc	hlumberger's p	property are ex	pected soon					
	ded the 1600 Tactics m	•									
ļ.	H discussed water qual	•		•		•		•		I .	
	ussion on the need & u	•	-			el. START dis	cussea	conclus	sions tha	it this is	
	rators were installed in			-							
	rers working at the north			identally let the	e compressor r	oii down the n	iiii and in	to the	water		
	uel was noted leaking ir request of ND DOH (K	,	•	od CTEU durin	a collection of	5 water campl	oc for ac	uuatia t	ovioity to	etina	
	. ,	•	•		-	•		•	Oxidity te	zaurig	
	r indicated that 24 hr op	•		•	^3						
	r salvaged undamaged				-		ind stora	ge by I	Red Rive	er	
- Prepa	ration of the personal ar	nd equipment de	econ pads is com	plete by the er	nd of the works	hift.					
1											

				7		
Description of Health & Safety A	ctions Taker	Today / Safety Inspections (Conducted			
- Safety Tailgate Meeting: C	urrent and a	anticipated weather and im	pact on heat stress when entries into	o the hotzone are c	onducted	d.
Complement of the Complete Com		2.50			916	1
Purpose N/ak/isit		Company		In	Out	Signed HASP
			4			
			-			
			-			
			1			
			1			

Ver. 1.1 11/07 30 of 2



KI.							
Day of Report	Report No.						
30-Jul-14	3						
Pho	ne No.						
303-886-1638 (mobile)							
937-572-3630 (mobile)							
302-540-0099 (mobile)							
720-302-3387 (mobile)							
2.00							
Add'l	Readings						
Precip. (In/Dy.)							
Humidity (%)	60%						
d							
	30-Jul-14 Pho 303-886-1 937-572-3 302-540-0 720-302-3 Add'I Precip. (In/Dy.) Humidity (%)						

On-Si	te Hours	
Idle	Repair	Total

Ver. 1.1 11/07 31 of 2

Quantity Pur	pose	Materia	NDLING (O	N-SITE I	DELIVERY	/ R≣MOVA Vendor	NL)						Condtn	Qty	Spec	Tags	Qty
			ETED			00 (00 (00 (00 (00 (00 (00 (00 (00 (00	2						300 200				
	- Collect - Configu - Attende - Red - The N - Garne - Confi - Attend - CTEP - Discu - 4 aer - Labore - No fu - At the r - Garner	ed site phured and ped 08:00 consider and CT rmation sed the 16 discussed assion on ators were workingel was no equest o indicated salvaged	r quality test otographs of published So pub	letailing cribe da : er have over signe et o eva ts from to meeting: ality resutility of a each sthe section into the Kris Roll ops are lid material.	the progretabase with decided the decided the decided the decided the remedial with a carbon fill ection of the rewater (sheets), ST, likely where decided the progression of the rewater (sheets), ST, likely where decided the progression of the rewater (sheets), ST, likely where decided the progression of the rewater (sheets), ST, likely where decided the progression of the rewater (sheets), ST, likely where decided the progression of the rewater (sheets), ST, likely where decided the progression of the rewater (sheets) and the rewater (shee	ess of pre th water q that an insp reviewer tment opti iated area focus on tering the che relief chan een or sm ART acco n site entr the south	parations to uality monopecition of CTEH's ons for water in the channel by nel accidentell) mpanied Cies start - for structure of the channel	the site 7/27/1 ter in tenderge conte e N. site entally less the error propon the	e for asbe from 28-x e for asbe 4 Operati the north ser's prope end that D ection of the vetthe conduction and duction and site and services.	pegin on July estos will tions Plai section certy are e the chan workshift mpressor llection o nd worki staged th	I be condon and 7/2 of the relexpected depressed to the roll down of 5 water ing when nem for condon and 7/2 of the relevance of 5 water ing when the relevance of 5 water ing w	ducted by 25/14 He lief chann d soon ed but no ART discovn the hiller sample in the weather the weather the weather sample in the we	their coest Stressel, inlouded appreciated on the control of the c	onsulta as Mana ading ca ciaby d onclusi to the w uatic to	nt agement arbon tre ifferent t ons that vater	t Plan eatment hat other this is	

I				
ETY		en 1970 - Francis III. en 1970 - Francis III.	V.	
Description of Health & Safety Acti	tions Taken Today / Safety Inspe	ections Conducted		
- Safety Tailgate Meeting: Curr	rent and anticipated weather	and impact on heat stress when er	ntries into the hotzone are co	nducted.
TROL				
Purpos eNatr\ ësit	Company		In	Out Signed HASP

Ver. 1.1 11/07 32 of 2



	Repo	rt No.
	;	3
		3
		1
Pho	ne No.	
03-886-1	1638 (mc	bile)
37-572-3		
02-540-0	0099 (mc	bile)
20-302-3		
Add'l	Readings	
7166		
	60)%
		7,0
· · · · · · · · · · · · · · · · · · ·		
On-Si	te Hours	
	Repair	Total

Ver. 1.1 11/07 33 of 2

	IAL HANDLING	ON-SITI	DELIVERY / REMOVAL)								7040
antity Purpose	Material		Vendor					Condtn	Qty	Spec	Tags
	COMPLETED										
- Cond	ducted water quality ter	sting at	20 locations across the s	site in the Us	SACE relief ch	nannel; coll	lected positi	ional d	ata in :	Scibe m	obile
- Colle	cted site photographs	detailir	g the progress of prepara	ations for re	moval to begi	in on the fa	icility site ar	nd othe	r site a	activities	·
- Conf	igured and published S	Scribe o	atabase with water quali	ty monitorin	g from 28-July	1					
	nded 08:00 ops meeting	•									
			e decided that an inspeci								
	•	_	ed-off as a reviewer of C		•					-	_ ⊢
			aluate treatment options					nel, inlo	uding	carbon t	treatment
	·		n the remediated area on	Schlumber	ger's property	are expect	ted soon				
	nded the 1600 Tactics		•	- , ,						11.55	
	•	•	sults with a focus on DO	-		•			•		
		•	of carbon filtering the wat section of the relief char				START GISC	ussea	conciu	sions in	at this is
			tion of the relief channel	•			lown the bill	l and in	to the	water	
	•		e water (sheen or smell)		iet tile compi	essoi ioli u	OWIT THE THE	i allu ii	ito ti ie	Water	
	-		oberts), START accomp		during collect	tion of 5 wa	ater samnle	s for a	nuatic	toxicity t	estina
	•	`	e likely when site entries		_		•		•	toxioity t	Coung
		•	•			-				D - 4 D :-	
⊢ (∃arn	- Garner salvaged undamaged materials out of the south structure on the site and staged them for decon and storage by Red River										
			uipment decon pads is c								

en entries into the hotzone are conducted.
In Out Signed HASP

Ver. 1.1 11/07 34 of 2



Report No.	
3	
3	

1-3387 (mobile)

	3E 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	Readings
	_
	60%

	the Itemson

Site Hours Total

Ver. 1.1 11/07

35 of 2

or would	WATERIAL HANDLING (O	N-SITE DELIVERY / REMOVAL)	jas šia			12.00	——————————————————————————————————————			
tity	Meterical		Cond	tn Qty	Spec	Tags				
							\vdash			
	WORK COMPLETED				6					
	, ,	ng at 20 locations across the site in the USA	•							
	- Collected site photographs detailing the progress of preparations for removal to begin on the facility site and other site activities									
	· ·	ribe database with water quality monitoring f	rom 28-July							
	- Attended 08:00 ops meeting									
		r have decided that an inspecition of the site	•				1 1			
	•	e signed-off as a reviewer of CTEH's 7/27/14	•		-	L	\vdash			
		to evaluate treatment options for water in the sfrom the remediated area on Schlumberge	*	inicuain) carbon	treatment	f			
	· ·	<u> </u>	s property are expected soon							
	- Attended the 1600 Tactics meeting: - CTEH discussed water quality results with a focus on DO. They contend that DO's are depressed but not appreciably different that other									
		utility of carbon filtering the water in the N. se	•	•	•					
		each section of the relief channel by the end			40.0110 11	101 1110 10				
		h section of the relief channel accidentally le		d into th	e water					
	_	nto the water (sheen or smell)	•							
	- At the request of ND DOH (Kris Roberts), START accompanied CTEH during collection of 5 water samples for aquatic toxicity testing - Garner indicated that 24 hr ops are likely when site entries start - for production and working when the weather is cool Garner salvaged undamaged materials out of the south structure on the site and staged them for decon and storage by Red River									
		nd equipment decon pads is complete by the	· ·		,					
	The state of the police of the state of the									
	I					- 1	1.1			
	HEALTH & SAFETY				C.					
		ions Taken Today / Safety Inspections Conducted	<u>Personal Company of the Company of </u>							
	,	rent and anticipated weather and impact on h		one are	conducto	ed	\vdash			
		mipates incation and impate of in					i 1.1			

Ver. 1.1 11/07 36 of 2

QUALITY CONTROL

Purpose @@hthipsitary

Signed HASP

In

Signed HASP

Weston Solutions, Inc 1435 Garrison St. Suite 100

1435 Garrison St. Suite 100 Lakewood, CO 80215 Phone: 303-729-6100 Fax: 303-729-6101



DAILY PRODUCTION & QUALITY CONTROL REPORT Contract No./TDD Project Title / Location Day of Report Report No. EP-S8-13-01 EPA Region 8 Start Contract 0 0 DAILY PHOTO LOG

DAILY PHOTO LOG	
Photo 1	Photo 2
3.5-Inch Width or 2.63-Inch Height	
Photo 3	Photo 4

Ver. 1.1 11/07 1 of 1